

NOVAPPLE

Newsletter

VOLUME VII - NUMBER 5

NORTHERN VIRGINIA APPLE USERS GROUP

JUNE/JULY 1987

PLANS ANNOUNCED TO CREATE INDEPENDENT SOFTWARE COMPANY!!

Cupertino, California. April 28, 1987. Apple Computer, Inc. today announced plans to create an independent software company to develop, publish and market applications software for its Macintosh(TM) and Apple(R) II personal computer lines.

According to Apple, the new company will market applications software currently published by Apple, but under its own private label. In addition, it will publish important new software products developed by other third parties, while developing some applications itself.

Plans call for the new company to initially be formed as a wholly-owned subsidiary of Apple, becoming an independent company as soon as appropriate, probably within one year. Once the company is independent, Apple plans to retain a minority ownership position.

"We believe creation of this company will expand and strengthen the software industry created around Apple products in many ways," said John Sculley, Apple's chairman and chief executive officer.

"First, since Apple plans to de-emphasize its logo and label on its applications software, developers can participate in the software market for Apple products on a more equal footing."

"Second, the new company will increase the opportunities for third parties to bring important new software applications to the market. Right now, there are many small developers working on breakthrough software for Apple products, but they don't have the resources to market and distribute their products. The new software company will provide them with a significant opportunity to do so.

"And third, the new company will assure that a full and complete line of quality applications software is available for Apple products. By focusing primarily on Apple, the new company can easily target untapped or emerging new markets," Sculley said.

[CONTINUED ON PAGE 4.]

APPLEFEST(R)'87 ANNOUNCED

Cambridge Marketing, Inc. (CMI) today announced AppleFest(R) '87, a conference and exposition for the Apple(R) II computer community. The event will be held in the San Francisco Civic Auditorium on September 18, 19 and 20.

"AppleFest is a forum at which the community of Apple users, re-sellers, and software and hardware developers can build relationships and learn about the Apple II products and applications," said Delbert Yocam, Apple's chief operating officer. "We are pleased that CMI is supporting our commitment to the home and education markets through AppleFest."

[CONTINUED ON PAGE 7.]

NOVAPPLE SEMINAR -- LOOKING TO THE FUTURE!!

By Dave Harvey

On Sunday, May 31 a group of Novapple members met at my home to discuss ideas that anyone had on how to improve Novapple and make whatever changes were necessary to serve our members better. Members present at this special meeting were Shelly Kramer, Fred Edwards, Brnie Philipp, Jim Thornburg, Nancy Harvey, Scott Travis, Bill Sanderson, and myself.

I got the idea for the meeting after I and my wife, Nancy, attended the 1987 National Apple User Group Conference in Dayton, Ohio in April. The theme of that conference was "User Groups Helping User Groups Help Themselves" and at the end of the conference, I think that everyone agreed that it had achieved its objectives. Representatives for different user groups all over the country described their experiences with managing and running user groups and I got a lot of good ideas during that conference that we could apply to our own group.

The discussion topics that we used on our Novapple meeting on Sunday closely followed the Dayton conference topics. The major topics that we discussed were: Running Interesting Meetings; Increasing User Group Membership; Increasing Club Revenues; Meeting Users Needs; and User Group Sponsored Bulletin Board Systems.

[CONTINUED ON PAGE 6.]

APPLE DISCOUNTS

SPECIAL:

**BIG DROP IN PRINTERS PRICES!!
SEE BELOW!!**

MACINTOSH CORNER

- SS/DD DISKS, BOX OF 10 \$14.00
- SS/DD DISKS, CASE OF 50 \$60.00
- 10 DISK STORAGE BOX \$2.50
- 36 DISK STORAGE BOX \$9.00
- DS/DD DISKS, BOX OF 10 \$16.00
- DS/DD DISKS, CASE OF 50 \$70.00
- IMAGEWRITER CABLE \$19.00
- MODEM CABLE \$19.00
- IMAGEWRITER RIBBON \$9.00

5 1/4 INCH DISKETTES & STORAGE

- SS/DD, BOX OF 10 \$5.00
- SS/DD, PAK OF 25 \$11.00
- SS/DD, CASE OF 100 \$39.00
- SS/DD, CARTON OF 500 \$175.00
- 2-NOTCH/DS/DD, BOX OF 10 \$6.00
- 2-NOTCH/DS/DD, PAK OF 25 \$13.00
- 2-NOTCH/DS/DD, CASE OF 100 \$45.00
- 10 DISKETTE CASES \$2.25 EACH
5 for \$10.00

(SPECIFY COLOR CHOICES: BEIGE, BLACK, BLUE, GREEN,
GREY, RED, YELLOW)

- 75 FLIP TOP DISK CASE \$11.00

PRINTERS

- STAR NP-10 \$159.00 *
- PANASONIC 1080i, 120 CPS \$209.00 *
- PANASONIC 1091i \$229.00 *
- CITIZEN MSP-15, WIDE \$419.00
- PANASONIC P3131, LQ \$299.00
- NEC P6, LQ \$545.00
- OKIMATE 20 COLOR \$209.00

PRINTER ACCESSORIES

- 1000 SHEETS OF PAPER \$19.00 *
- 2500 SHEETS OF PAPER \$29.00
- PANASONIC/CITIZEN/EPSON
RIBBONS \$7.00 *
- GRAPHICS PARALLEL
INTERFACE CARD \$59.00
- PRINTER STAND \$14.00
- SWITCH BOX, 2 WAY \$39.00
- SWITCH BOX, 4 WAY \$59.00

DISK DRIVES

- FLOPPY DRIVE \$109.00
- CONTROLLER \$49.00

* DENOTES NEW PRICE
- DENOTES NEW ITEM

MONITORS

- HI RES COMPOSITE \$119.00
- RGB COLOR \$319.00

MODEMS

- 300/1200 EXT. \$99.00
- 300/1200/2400 EXT. \$279.00

SOUND & VIDEO DEVICES

- MUSIC SYNTHESIZER \$149.00
- COMPUTEREYES \$109.00

CHIPS

- EPROMS 2716/2732/2764 \$6.00
- EPROMS 27128/27256 \$8.00
- 64K, SET OF 8 \$9.60
- 256K, SET OF 8 \$24.80 *

GENERAL ITEMS

- SURGE PROTECTOR \$9.00
- 6-OUTLETS WITH
SURGE PROTECT \$25.00
- CABLE GENDER
CHANGER \$9.00
- CABLES (S OR P) \$19.00
- GLARE FILTER \$29.00

COMPATIBLE COMPUTERS

- LASER 128 \$395.00
- VF PC, APPLE II & IBM
COMPATIBLE \$929.00 *
- VF PC, IBM COMPATIBLE \$580.00 *
- VF AT, IBM COMPATIBLE \$1040.00 *

GAME I/O DEVICES

- CH MACH II JOYSTICK \$33.00
- CH MACH III JOYSTICK \$39.00
- I/O PORT EXPANDER \$25.00
- 9-16 OR 16-9 ADAPTER \$9.00

SLOT EXPANSION

- MULTI-RAM, 64K MEMORY \$119.00
- 320K MEMORY \$148.00 *
- 512K MEMORY \$168.00 *
- RGB OPTION ON
MULTI-RAM ADD \$40.00 *
- SERI-ALL \$99.00
- SLOT 3 CLOCK \$65.00
- Z-80 BOARD \$39.00

- ACCELERATOR \$229.00
- EDD 4 PLUS EXACT BIT
COPY BOARD \$69.00
- MULTIPLE-SLOT CHASSIS \$149.00
- SINGLE-SLOT EXTENDER \$29.00
- QUICK-LOADER PROM BD \$149.00
- PROM BURNER \$119.00

SPECIAL PERIPHERALS

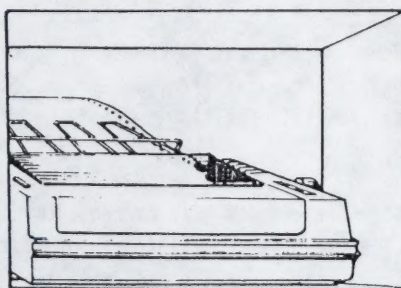
- COOLING FAN WITH
SURGE PROTECT \$39.00
- POWER SUPPLY \$69.00
- SHIFT KEY MOD KIT \$8.00
- RF MODULATOR \$39.00

APPLE SOFTWARE

- COPY II + ... \$29.00
- ESSENTIAL DATA
DUPLICATOR \$25.00
- PlusWorks (RUNS AppleWorks
ON II+) \$19.00
- "WRITE CHOICE"
WORD PROCESSOR \$29.00 *
- PROTERM COMMUNICATIONS \$79.00

APPLE IIc CORNER

- SECOND DISK DR FOR IIc \$109.00
- HOTLINK TO
PARALLEL PRINTER \$55.00
- GRAPPLER C \$95.00
- PRINTER OR
MODEM CABLE \$20.00
- DISK DRIVE CABLE
ADAPTER \$15.00
- 9-16 GAME I/O ADAPTER \$9.00
- MULTI-RAM CX, 256K \$239.00
- MULTI-RAM CX, 512K \$268.00 *



UPS SHIPPING: \$4.00 per order plus \$6.00
per printer or monitor. Computers: \$30.00.
10% surcharge per 30 days on
purchase orders.

PLEASE NOTE! PRICES CHANGE OFTEN!
PRICE ON DATE OF PURCHASE APPLIES.

LONG-DISTANCE: CALL TOLL-FREE FROM
ANY TONE-GENERATING PHONE: DIAL
950-1088; (IF YOU RECEIVE A RECORDING,
DIAL 800-446-4462 INSTEAD); WAIT FOR
TONE; DIAL 363-1313.

PLEASE NOTE: THE NEW VF TOLL-FREE
ORDERING NUMBER WILL BE OPERATING
STARTING IN MID-JULY. CALL 800-666-STAR

WASSOCIATES

(301) 652-4232

8231 WOODMONT AVENUE, BETHESDA, MARYLAND 20814

STORE HOURS: Monday through Thursday: 12 noon - 8 p.m.

Friday: 12 noon - 6 p.m. ■ Saturday: 11 a.m. - 5 p.m.

CALL FOR OUR FREE CATALOGUE!

**Clinton
Computer**

Clinton Computer

Your #1 Apple Dealer!

8032 Leesburg Pike, Vienna, VA (703)442-3800

277 S. Washington St, Alexandria, VA (703)838-9700



6443 Old Alex. Ferry Rd, Clinton, MD (301)856-2500

9636 Ft. Meade Rd, Laurel, MD (301)953-1110 or (301)792-0600

12204 Rockville Pike, Rockville, MD (301)881-2810

Clinton Computer -- A Full-Service Dealership!

Five Stores Cover Metro Area

Clinton Opens Fifth Store -- in Rockville

Clinton Computer, the Metro area's largest independent retail computer dealer, now has five stores -- in Clinton, Rockville and Laurel, MD, and in Vienna and Alexandria, VA. We are authorized dealers for Apple™ microcomputers at all five locations.

In addition, our Clinton and Alexandria stores are authorized IBM™ Personal Computer dealerships. We also sell printers, monitors, software, supplies, and service.



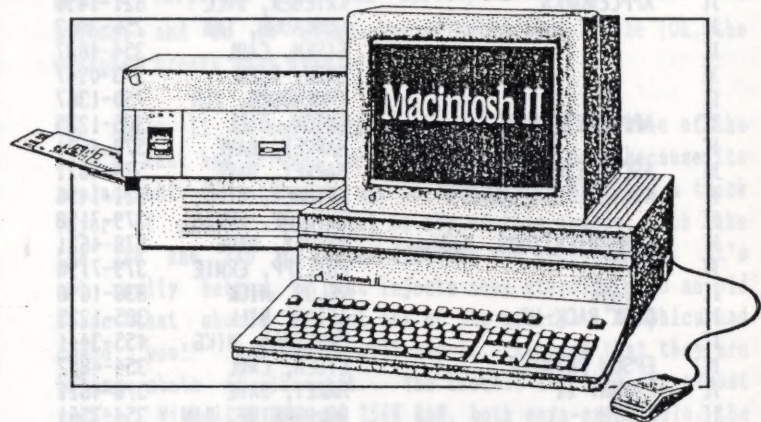
Clinton Computer's Old Town Alexandria Store

The company also operates a huge 3600-square-foot service and repair facility in Clinton, with satellite repair shops at the Laurel, Vienna, Rockville and Alexandria stores.

Clinton Computer was founded in 1978 by co-owners Art Lundquist and Chuck Perilli. It began as a two-man consulting firm on the fourth floor of an office building and has grown into a multi-million-dollar retail business.

DISCOUNT POLICY FOR NOVAPPLE MEMBERS

CLINTON COMPUTER offers NOVAPPLE members a 25% DISCOUNT OFF THE LIST PRICE on all non-allocated Apple brand peripherals (no CPU's), software and AppleCare. For upgrades, the 25% discount applies to both the parts and normal labor rate. Discount is available to persons who have been NOVAPPLE members for at least 3 months. Discount cannot be applied retroactively. NOVAPPLE members need to present their cards up-front. No phone or mail orders, please. Discount cannot be used in combination with other promotions. Products on allocation from Apple are excluded from this offer. Clinton Computer reserves the right to change this policy at any time.



Look into the New Macintosh II

The new Macintosh™ II. There's a lot to look into. And it's easy. Just lift off the cover, and you're inside a whole new world. A world that makes it simple for you to adapt, expand, upgrade, and configure the Macintosh II to meet *your* needs. And with color, too!

What's more, the Macintosh II is the fastest and most powerful member of the Macintosh family -- processing information at four times the speed. And with six internal expansion slots, you have tremendous expansion capabilities. Which means there's practically no limit to what it can do for your business.

Best of all, it's a Macintosh, so training time is minimal. In fact, you can learn to put all these new capabilities to work -- in just a few hours.

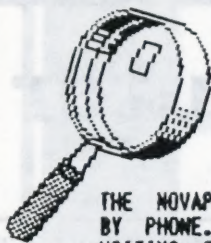
Come in and take a close look at the new Macintosh II. There's a lot more to it than meets the eye -- inside and out!

Training Available

Clinton Computer offers a comprehensive training program on both Apple™ and IBM™ microcomputers. Classes, currently scheduled through October, include New Owners' Workshops, Mac Graphics, AppleSoft BASIC, AppleWorks, Lotus 1-2-3, Microsoft Works and more!

For registration information, contact Paula Majerowicz at our Laurel location -- 953-1110.

This ad was produced on a Macintosh and LaserWriter, using MacWrite and Aldus PageMaker. Apple, the Apple logo, and LaserWriter are registered trademarks of Apple Computer, Inc. Macintosh is a trademark of Apple Computer, Inc. Apple products are available only from authorized Apple dealers. They are not available by telephone or mail order.



HOT-LINE HELP

THE NOVAPPLE HOTLINE IS A LIST OF VOLUNTEERS WHO HAVE AGREED TO ANSWER YOUR QUESTIONS BY PHONE. PLEASE DO NOT CALL AFTER 10PM EST. PASS UPDATES TO ERINE PHILIPP IN WRITING OR CALL HIM AT HOME AT 379-7198.

SUBJECT	NAME	PHONE	SUBJECT	NAME	PHONE
1st CLASS MAIL	THORNBURG, JIM	750-1367	LOCKSMITH	ANTON, BILL	385-1225
APPLE PIE WORD PROCESSOR	LAUFER, GABOR	765-4539	MACINTOSH	PANKIN, MARK	524-0937
APPLESOFT	ANTON, BILL	385-1225		LOVE, JOHN	569-2294
	LAUFER, GABOR	765-4539	MATH / STAT	PANKIN, MARK	524-0937
	PANKIN, MARK	524-0937	MULTIPLAN	PHILIPP, ERNIE	379-7198
APPLEWORKS	PHILIPP, ERNIE	379-7198		BALDWIN, MILES	938-8457
	KRIEGER, BILL	821-1496		LUCAS, TOM	321-9593
	CONCAUGH, IMA	256-3062	OPS RES / MGT SCIENCE	PANKIN, MARK	524-0937
	EISEN, CARL	354-4837	PFS : FILE	LUCAS, TOM	321-9593
	CHEW, RICH	573-0947	PFS : REPORT	LUCAS, TOM	321-9593
APPLEWRITER II	THORNBURG, JIM	750-1367	PROBOS	KRIEGER, BILL	821-1496
	ANTON, BILL	385-1225	PROWRITER PRINTER	KRIEGER, BILL	821-1496
ASCII EXPRESS	HARVEY, DAVE	578-4621	SCREEN WRITER II	PETRENKO, PETE	321-7332
ASSEMBLY LANGUAGE	HARVEY, DAVE	578-4621		LUCAS, TOM	321-9596
	KRIEGER, BILL	821-1496	SIDER HARD DISK	THORNBURG, JIM	750-9593
COMMUNICATIONS, Modems	PHILIPP, ERNIE	379-7198	SUPER TEXT	VELOS, NICK	836-1696
CP/M	HARVEY, DAVE	578-4621	THE ACCOUNTANT	PANKIN, MARK	524-0937
D BASE	PHILIPP, ERNIE	379-7198	TURBO PASCAL	PHILIPP, ERNIE	379-7198
DISK BACK-UP	VELOS, NICK	836-1696	VISI CALC	THORNBURG, JIM	750-1367
	ANTON, BILL	385-1225	VISI DEX	LAUFER, GABOR	765-4539
EPSON PRINTER	UNGERMAN, MIKE	455-3441	VISI FILE	FOX, ELLIOT	780-4403
FORMAT II	EISEN, CARL	354-4837	WORD STAR	PHILIPP, ERNIE	379-7198
FORTH	HAREY, DAVE	578-4621			
FORTRAM	HOLDGREWE, DAN	354-3561			
	ANTON, BILL	385-1225			
GAMES	KRIEGER, BILL	821-1496			
INVESTMENT PROGMS/STOCKS	LAUFER, GABOR	765-4539			
	PANKIN, MARK	524-0937			



YOU MAY LEAVE QUESTIONS ON THE BULLETIN BOARD WITH YOUR NAME AND NUMBER. IF YOU ARE INTERESTED IN VOLUNTEERING YOUR TIME ON ANY NEW APPLE ITEMS, PLEASE CONTACT ERINE PHILIPP.

[SOFTWARE FROM PAGE 1.]

Apple has named William V. Campbell, formerly Apple's executive vice president of U.S. sales and marketing as president and chief operating officer of the new company. Campbell, who joined Apple in 1983, will begin developing the company's business plan and recruiting staff immediately.

While the company operates as a wholly-owned Apple subsidiary, Campbell will report to Albert A. Eisenstat, Apple's senior vice president. Eisenstat will serve as chairman and chief executive officer during the transition period, in addition to his normal responsibilities at Apple.

Charles M. Boesenberg, Apple's vice president for U.S. sales, will assume the role of acting group executive for U.S. sales and marketing. In that capacity, he will be responsible for

U.S. sales, distribution, support and marketing and will report to Delbert Yocam, Apple's chief operating officer. Charles W. Berger will continue to serve as acting vice

president of marketing, with the additional responsibility of marketing communications. He will report to Boesenberg. In their acting capacities, both will serve as members of Apple's executive staff.

-NOVAB

DID YOU KNOW?

Not every Apple II came in the now-familiar beige plastic case. In 1977 for \$798, a customer could buy the Apple II circuit board alone, to which they could add their own keyboard and power supply!

Q.C.

HEADS IN THE SAND!

An Irreverent Analysis of Macintosh in the News.

Reprinted by permission

Copyright 1986 by Tom Pittman

September 15, Apple rolled out their IIgs. The "GS" is said to stand for "Graphics and Sound" but some wags claim it means "Gassee and Sculley". I think it means "Grand Slam" or maybe "Great Splat".

It is clear that the GS is supposed to knock the socks off of amIGa and atari-St. Maybe it does. Let me tell you what I think the long-term effect will really be. You have to remember that Jobs designed the Macintosh to be "the most personable computer that not very much money can buy," in the words of his January '84 introduction. Apple was able to sell original Macs for \$1000 to students and make a (small) profit. The Mac operating system was designed to be "the computer you already know how to use," and Apple evangelists largely succeeded in making that true -- at least in the beginning. Mac graphics and sound were state-of-the-art, but not in color. But you know all that.

Amiga came along with incredible graphics and sound, in color. Atari came along with color graphics and sound at half the price. Neither of them had any software. Commodore and Atari had not spent the time and money on software that Apple did, and it showed. But everyone gee-whizzed over the color. There is still some gee-whizzing over the Amiga operating system, but mostly both machines are past their prime (if they ever had a prime).

Meanwhile, the folks at Apple discovered that all was not rosy with the Mac, either. The evangelist had done his job and many developers were working on Mac software, but the operating system was such a huge quantum leap ahead of MS-DOS that everybody was late. Customers complained about no software and bought Apple II and IBM. IBM and clones were delighted for their share; Apple was surprised. So Apple canned Jobs and brought in Sculley, a marking heavy from Pepsi as Chairman and CEO. Sculley stuck his finger in the air and found out which way the wind was blowing, then turned Apple's corporate ship around to catch the wind in her sails. The result? Apple IIgs, for one.

Notice the difference between Jobs' approach and Sculley's. Jobs knows where he wants to go, and sets his sails to go there. Sculley knows which way the wind is blowing, and sets his sails to go there. If the wind changes, Jobs has to tack, which means the going is slower; Sculley changes where he is going, and he goes real fast, but he gets nowhere. "Blessed are they that go around in circles, for they shall be known as Big Wheels."

ELECTIONS TIME!!

Yes!! With the coming of the season of Fall comes "THE NOVAPPLE ELECTIONS OF OFFICERS!"... This exciting event will be happening at the first Saturday meeting in October. >>>> BE THERE <<<<



I started out to talk about where the GS is leading. The shifting breezes of the marketplace chose existing computers that had software and color over a new one that did not. Apple benefitted in unexpected sales of the IIe (that is the direction the wind eddied). The problem with Mac software is very nearly gone -- you can even run Apple II software on a Mac if you buy one of the two emulators on the market. But Apple's corporate ship has already turned to follow the breeze, and in so doing has affected that breeze (OK, the metaphor breaks down here).

The Apple II is not state-of-the-art, it is a zombie of the 1970's that has refused to lie down and play dead because its replacement is not yet up to speed. The GS slaps a thick layer of plaster and paint on top of this zombie, much like the 286 and 386 do to the dinosaur IBM architecture. It's not really better, it just injects some steroids into an old horse that should be put out of its misery. "Graphics and Sound, wow!" And people will buy it, thinking that they are buying state of the art. The trouble is, they are almost right. With 128K ROM and 256K RAM, both mega-expandable, the GS can be programmed to do almost as much as the Mac. With all that high-tech in there, it costs almost as much as the Mac. Why not a Mac? Who's going to pay a couple hundred bucks more for a machine that's only black&white? The GS looks good enough to take the bottom off the Mac market.

The stinger is that from the GS there is nowhere to go. Dead end. If you already have an Apple IIe you can buy up to a GS and most of your software will still run. Then you are stuck, with a much bigger investment to throw away when you want to move up again. The Mac still has room to grow. Jobs' vision was essentially correct: the Mac should replace the II, but it must do so in a compatible way (which the slots Mac could do, if Apple chose to support it). A cost-reduced Mac is a much better entry-level machine than a II, GS or otherwise. Instead Apple gutted the market for the low-cost Mac.

Now, I think more people will enter with an Apple IIe or IIc in school, discover that there is Better Machinery in the world, and never discover the wonderful world of Mac. Next year IBM will come out with a high-end graphics machine with a good user interface to clobber the high end of the Macintosh sales in desktop publishing. Not an auspicious time for Apple to shoot themselves in the foot. More's the pity.

-NoVA

Running Interesting meetings: One of the main reasons for having interesting meeting is to get more members to attend meetings. It was felt this is a major problem that now faces Novapple-- how to get more members to attend meetings. Some felt that actually we weren't really do so bad-- about 10% of our members attend meetings and this about average for most clubs. It was felt that maybe we should change the format of meetings and maybe even have one meeting devoted to a special interest such as AppleWorks or tutoring of novices. We could take an active step by seeing if we could get some interesting speakers to come to our meetings. Maybe have some door prizes to offer attendees. A suggestion was made to find out who comes to the meeting by having a sign-in sheet for visitors and members. Another idea was to have 3 x 5 cards available a meeting that attendees could use for questions they would like answered about problems they having with their computer. These could be collected later in the meeting and answered at a question and answer session. It was also agreed that feature presentations at meetings should not last longer than one hour. Anything longer than that people tend to loose interest fast.

Increasing User Group Membership: I described some of the ideas that I had picked up from the conference in Dayton, such as preparing a bright and colorful 8 1/2" x 11" poster that gives some of the advantages of joining our group and distributing to different places in the area. Publishing information about our meeting in the newspaper classified section is another way that the Maryland Apple Core uses to attract new members. Develop incentives to join or come to a meeting such as a free copy of our newsletter or a public domain disk. Another way to spread the word is to distribute our Newsletter to all of the Libraries (public and school) in the Northern Virginia area. This is a vast untapped source of new members.

Increasing Club Revenues: The first question asked was do we need more money? The answer was yes. At present Novapple has almost no reserves and for about a year or two has not operated with a planned budget. As a result, we have very little cash reserves. There are expenses associated with getting and passing on to members information, such as materials for our hard copy library and our software library. Other expenses are more computers or other equipment that could be used in our meetings. It was recognized that one way to bring in more revenues was to have more advertising in our newsletter. At a recent board meeting, it was suggested that a advertising fact sheet could be made up and distributed to members. This would be used by the members, when they were in a store, to solicit ads for our newsletter. The fact sheet would contain or be attached to a ad order blank, where the advertiser could send the order blank and his check along with his ad copy to the editor for printing in the newsletter. Another idea was to use a 50/50 raffle.

This is where the winner and the club split the proceeds from selling of tickets before a meeting. This would have a two fold benefit, money for the club and a small incentive to attend meetings.

Meeting User Needs: Our BBS is used by about 15 members on a regular basis. How can we get more of our members to use this asset on Novapple's? One way is to educate members on communications aspects of computing. We could have a workshop or two to teach members what a modem is, what to look for before buying one, what software is good to start out on. Another question we asked was are we having too many meetings? Should be cut back to one meeting a month? Maybe turn one of the meetings into a SIG meeting or a novice meeting. At present we have over 225 members in Novapple. Why don't more of them come to meetings? One suggestion was that we should send out a questionnaire to all members asking them some pertinent questions, such as what they would like to see at meetings or what are their interests? Should we be more of a social club? Maybe have a picnic or a potluck supper some weekend? Maybe refreshments before the meeting-- not at the Saturday meeting but it would be allowed at our Wednesday meetings.

User Group Sponsored Bulletin Boards: This topic centered mainly on software for running the BBS. We also discussed what should be available to members on the system. Getting some of the data from the board shouldn't be so complicated that it discourages members from downloading or reading the data. This again can be minimized by teaching members on the proper way to effectively use the board.

Some of the ideas that were discussed that day will be implemented in the future and we will all try and improve Novapple so that all members get the maximum benefit from their dues.

-NOVAPL

HIGH RES RGB MONITOR

From John Wesner

The AppleColor High-Resolution RGB Monitor is a high resolution color display for the Macintosh.

Its features include:

- 640 x 480 pixel resolution and analog input format.
- A 13-inch Trinitron CRT that allows users to display information in either color or black and white (with a resolution of 69 DPI).
- With the Macintosh II Video Card, the AppleColor High-Resolution RGB Monitor can display 16 colors or gray scales simultaneously from a palette of 16 million, or 256 colors or gray scales simultaneously with Macintosh II Video Card Expansion Kit.

-NOVAPL

OFFICERS OF NOVAPPLE

PRESIDENT	Dave Harvey	578-4621	EDITOR	Chuck Edmiston	922-7826
VICE PRESIDENT	Bill Sanderson	352-1568	HOTLINE		
TREASURER	Ina Concaugh	256-3062	COORDINATOR	Ernie Philipp	379-7198
SECRETARY	Jim Chaisson	971-1996	INDEXER	Bob Pakulski	560-0559
APPLE PROGRAMS	Ernie Philipp	379-7198	ARCHIVIST	Brain Jack	671-0255
MACINTOSH PROGRAMS	Tom Lucas	321-9593	BBS SYSOP	Bill Sanderson	352-1568
DISKETTE	Pat Herlands	532-5589	DOCUMENT	Ernie Philipp	379-7198
LIBRARIANS	Chas. Couperthwaite	534-7040	LIBRARIANS	Alan Florkowski	524-2387
GROUP PURCHASERS	Shelly Kramer	960-9424			

CLUB PHONE (Answering machine with announcements - will record your messages.) (301) 899-4005
 NOVAPPLE BULLETIN BOARD SYSTEM (300 AND 1200 baud speed.) (703) 352-5842
 (On the Bulletin Board, send Newsletters articles to Chuck Edmiston.)

Membership & General Correspondence: NOVAPPLE, P.O. Box 804, Merrifield, VA. 22116
 Diskette Orders: NOVAPPLE, 514 North Florida Street, Arlington, VA. 22203
 Newsletter Info & Address: NOVAPPLE, 6504 Bowie Drive, Springfield, VA., 22150

[APPLEFEST FROM PAGE 1.]

The exposition will feature the entire Apple II family, including the new Apple IIGS(TM) computer. Keynote addresses will be given by Yocam as well as by Apple co-founder Steve Wozniak. The highlight of the three-day conference will be Apple's kick-off of its observance of National Computer Learning Month (October, 1987). Other highlights include:

- Hands-on Tutorials: Instruction in the use of popular software packages, offered in conjunction with the publishers.
- Educational Computing Showcase: On-going demonstrations of the best in educational software for home and classroom.
- Merit Competition Show-off: Featuring the grand prize-winning projects in the Merit Competition of the Apple Computer Clubs International.
- Applications-Oriented Sessions: Topics ranging from tax preparation and desktop publishing to buying a printer or choosing a college.

A large number of peripheral manufacturers, application and game-software publishers, Apple-specific publications and other vendors of Apple II-related products and services are expected to participate.

"We are working to gain the support of many different Apple II constituencies -- third-party vendors, publications, users' and educators' groups," said Roy Einreinhofer, senior vice president of CMI. "We expect many companies to make new product announcements at AppleFest, particularly new offerings for the Apple IIGS computer.

"We are providing a range of services to exhibitors, including a show-wide press kit, special platforms and times for news announcements. There will be opportunities to participate in continuous product demonstrations," said Einreinhofer.

AppleFest is the first major Apple II show since 1983. "For some time," said Deborah de Peyster, editor-in-chief of InCider magazine, "the Apple II community has needed a strong, national forum to show off its wares and rally its supporters. It's good to hear that AppleFest is back."

Cambridge Marketing, Inc. is a national marketing and promotion company located in Bedford, Mass. Formerly Computer Publishing Services (CPS), CMI is the originator and operator of the Apple Computer Clubs International program.

CMI has been licensed by Apple to manage the AppleFest exhibit and conference.

NORTHERN VIRGINIA APPLE USERS GROUP

MEETING TIME AND PLACE - The general membership meetings are held the first Saturday of each month in room 110 or 120 of the Bisdorf building on the Northern Virginia Community College campus in Alexandria, Virginia at 10:00 AM and on the third Wednesday of each month at the Fairlington Community Center, Room #1, 3300 South Stafford Street in Arlington, (corner 34th & Stafford) at 7:30 pm. We're primarily an Apple II group, (some MACs) but everyone's welcome.

TELEPHONE ANSWERING SERVICE - NOVAPPLE maintains a telephone answering service that has information about any changes in meeting locations or times and general announcements about programs scheduled at the next meeting. Use this number also if you would like a membership application sent to you. The club phone number is (301) 899-4005.

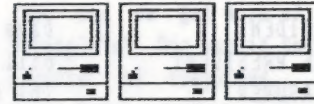
SPECIAL INTEREST GROUPS - Groups of members that share an interest in a special topic such as games, graphics, business, education, languages, etc. are formed from time to time to exchange information and educate members of the group on their topic of interest.

NEWSLETTER - The NOVAPPLE newsletter is published monthly ten times a year and is mailed to club members prior to the Saturday meetings. Members are encouraged to submit articles for inclusion in the newsletter on any topic that might be of interest to the membership. The newsletter is partially supported by advertising. Rate information is available by contacting the Newsletter editor. Non-commercial advertisement by NOVAPPLE members is available for free.

LIBRARY - NOVAPPLE maintains both a disk and paper library. The disk library is a collection of public domain software that has been contributed by individual APPLE users. These programs have been collected and arranged by subject on each disk and are made available to members at regular monthly meetings. There is a "new members disk" available for purchase which is a collection of some of the most useful programs for people new to the Apple II series of computer. The paper library is kept in the office of Ernie Philipp located in the Bisdorf Bldg and books and periodicals are available for checkout at most Saturday meetings.

BULLETIN BOARD - NOVAPPLE is on line with its own electronic Bulletin Board System. The NOVAPPLE BBS can be accessed by calling (703) 352-5842 and connection via a 300 or 1200 baud modem. Current areas of interest are general subjects, Apple II software and hardware, games, for sale/wanted, Macintosh and ability to play on-line Dungeons and Dragons.

TUTORIALS - Periodically, tutorials are offered to club members providing specific instruction on a variety of subjects of interest. Announcements about these are put in the newsletter.

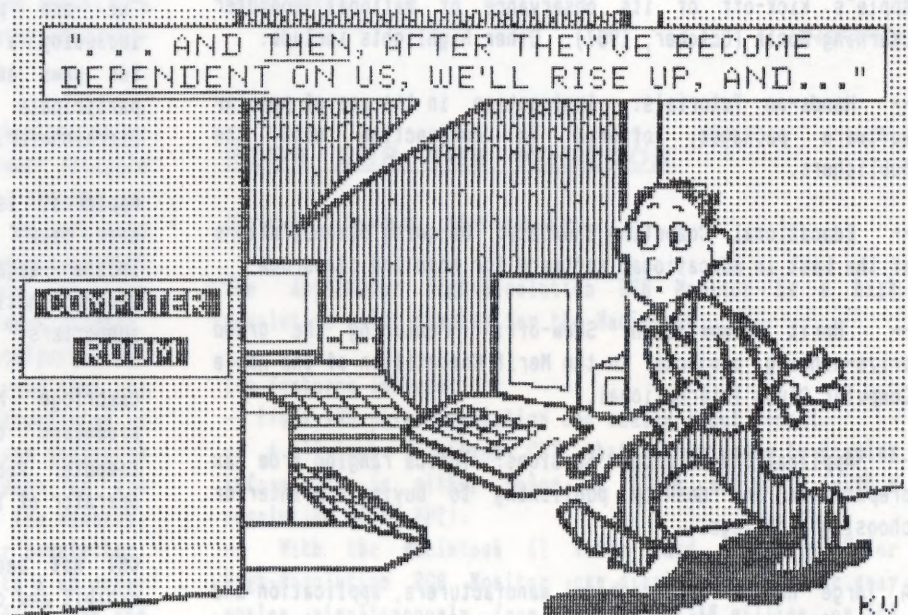
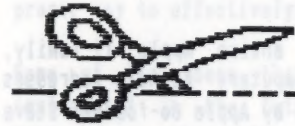


NOVAPPLE HOT LINES - The HOT LINES are a list of volunteers who have agreed to answer question by phone in their designated areas of interest and/or expertise. A list of HOT LINE volunteers along with their phone numbers is found in the newsletter and on the BBS.

GROUP PURCHASES - NOVAPPLE'S membership is often surveyed for group purchase opportunities. When sufficient members show interest in purchasing an item, a group purchase can usually be arranged often at significant savings to the group.

The NORTHERN VIRGINIA APPLE USERS GROUP is an all volunteer organization. It only functions well when members volunteer their time and talent to the group. Volunteers are needed to help put on demonstrations, run tutorials, copy disks for the public domain library and to write articles for the newsletter. Your interest in joining NOVAPPLE has already been demonstrated, your help would be appreciated.

-NOVAB



EASY TO USE PUBLIC DOMAIN DISKS ADDED TO DISK LIBRARY!

By Nancy Harvey

Tired of struggles with public domain disks that never seem to work without hours of effort? Puzzled by the un-informative names of many pd programs?

You may want to look at the 5 two sided PUBLIC DOMAIN SOFTWARE disks developed by FACT ON FILE for public library circulating disk collections. These disks were recently added to our library via the Dayton User Group Meeting Public Domain Disk exchange.

Each disk has a carefully selected set of programs suitable for home use. All of the programs run. There is a brief description of each program on a disk. Conditions under which a program will and will not run are carefully explained.

The disks are divided into 5 major program categories: GRAPHICS, EDUCATION, UTILITIES, HOME, MISCELLANEOUS. Disks boot automatically and a simple selector menu allows a choice of programs and program descriptions.

Disks are described below:

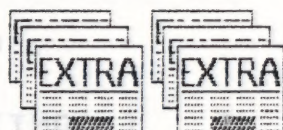
1. GRAPHICS

- *A 033 ART COLLECTION
- *A 033 GRAPHICS POTPOURRI
- *A 033 SKYWRITER (INSTRUCTIONS)
- *A 013 SKYWRITER
- *A 027 CRAYOLA
- *B 025 PI.PALETTE
- *B 014 SHP.BRUSH
- *A 022 SKETCHING PAD
- *A 019 CHRISTMAS CARD

*A 021 SPACE FILLING CURVES

- *A 007 HI-RES TEXT START
- *A 025 HI-RES TEXT DEMO
- *B 008 HI-RES-TEXT.OBJ
- *T 020 DEMOTEXT/3
- *A 023 CHARACTERS
- *B 006 ROMAN

- *A 013 PAINT
- *A 000 VARIATIONS ON A THEME
- *B 003 SHPTBL.1



*B 005 SHPTBL.2

- *B 042 INTBASIC
- *B 006 LOADER.OBJO

- *I 008 GEOMETRIC 3D ROTATION
- *B 012 ROTATE.OBJO
- *A 012 KALBIDOSCOPES
- *T 002 KALBIDOSCOPES.X
- *I 008 SKITTERING CURSORS
- *A 006 KALBIDSCOPE
- *A 008 SUPBR KALBIDSCOPE
- *I 006 KALBIDSCOPE

- *I 019 DRAW A FACE
- *A 031 SUPERDRAW START
- *A 024 SUPERDRAW

*B 002 BEEP

- *B 002 MYSHAPES
- *B 012 LETTERS

- *I 007 PULSAR
- *B 010 BPULSAR1
- *B 010 BPULSAR2
- *B 010 BPULSAR3
- *B 010 BPULSAR4
- *B 010 BPULSAR5

- *I 012 ZOOM
- *B 007 ZOOM.OBJO
- *B 033 PI.SAMPLE

- *A 012 HI-RES NORLASH
- *A 014 HI-RES SCREEN FUNCTION

*I 008 PAGE SWITCHING DEMONSTRATION

- *I 006 LO-RES DAZZLER
- *B 006 YZ3
- *B 003 LORBS

2. HOME USE

- *A 028 ETERNAL CALENDAR
- *A 016 JANE'S TIMER
- *A 021 GRANDAPPLE CLOCK
- *A 045 LONGEVITY

- *A 035 DIET AID
- *A 035 RDA FOOD VALUES
- *A 021 SHOPPING LIST PROGRAM
- T 002 SHOPPING LIST



(A SHORT NOTE...)

I hope you like the little changes in this and the up and coming NOVAPPLE Newsletters.

Almost all the articles here were gather or written by members of NOVAPPLE Users Group. As a member, you support is needed to keep this Newsletter from going to sleep as has happen this year. If you have an idea, comment, or article, call or mail it to the editor or call the club phone or our BBS. The numbers are listed under 'Officers of Novapple'.

Special Thanks to the Quick Connect Staff. I have added the past issues that are now being entered into the BBS systems, to the back of each issue for our members who don't have access to a modem.

[CONTINUED ON PAGE 10.]

<FROM PAGE 9>

*A 045 MY RECIPE BOX
T 002 RECIPE RECORD
T 006 CHICKEN SOUP

*A 032 PLANT MAN

*A 066 RECORD/TAPE INDEXER
T 002 MUSIC INDEX
T 002 ALBUMS
T 004 SONGS

*A 026 HERB'S HI-RES CALCULATOR
*B 008 HERB'S CALCULATOR DISPLAY

*A 031 ADDRESS LIST
*A 023 LABEL PRINTER

*A 040 BUDGET MONTHLY
*A 018 YOUR MORTGAGE
*A 017 LOAN ADVISOR
*A 027 HOUSEHOLD EXPENSES

*A 016 CHECKBOOK BALANCER
*A 041 CREDIT CARD RECORDS

*A 024 DECISION MAKER

*A 041 VIDEOCASSETTE LIBRARY
*T 002 VIDEO.MOVIES
*T 002 VIDEO.ENTERTAINMENT SHOWS
*T 002 VIDEO.SPORTS
*T 002 VIDEO.MISCELLANEOUS

*A 013 INTRUDER ALERT
*A 008 INT.ALERT.PROG
*A 008 INT.ALERT.PROGRAM

3. UTILITIES

AMPERSAND UTILITIES

*A 013 READ SECTOR
*A 032 SECTOR LIST
*A 011 VOLUME TITLE CHANGER START
*B 003 VOLUME TITLE CHANGER

*A 029 PROGRAM LISTING FORMATTER
*A 036 FP LISTER.EXP
*T 005 SET FP LIST
*T 002 FP ABORT

*A 013 CATALOG COLUMNS

*A 016 DISK ARRANGER
*A 033 DISK ARRANGER INSTRUCTIONS

*A 065 DISK ARRANGER.EXP
*A 019 DISK CATALOG MANAGEMENT
*A 029 DISK CATALOG MANAGEMENT - EDIT
*A 014 MULTIPLE DISK FORMATTER

*A 011 PDQ START
*B 010 PDQ

T 001 PROG.LIST
*A 015 APPLESOFT LINE EDITOR
*A 051 APPLESOFT LINE WRITER
*B 002 APPLE.EDITOR
*A 012 AUTONUMBER
*B 002 AUTONUMBER.B

*A 040 BINARY FILE EDITOR
*A 004 BFB LOAD
*B 022 BFB.48K
*B 002 BINLOAD
*B 050 INTBPU.1
*A 017 BINARY FILE SEARCH & LIST

*A 038 DOS MODIFIER
*A 010 DOS PERKER
*A 017 ERROR HANDLER
*A 010 FREE SECTORS
*B 002 FREE.SECTORS

*A 014 INVERSE REMS START
*B 002 INVERSE REMS

*A 012 UN-NEW UTILITY
*B 002 UN-NEW.OBJ

*A 027 SCREEN DUMP
*B 002 SDUMP

*A 011 CONTROL SBB

4. EDUCATION

A 009 EARLY LEARNING GROUP
*A 048 FUNPACK FOR PRESCHOOLERS
*A 033 MISTER MATH

*A 019 MISS SPELLING BEE
*T 002 SPELLFILE - SAMPLE

*A 013 MY LITTLE STORY BOOK
*A 011 STORY BOOK

*B 010 ASCII
*B 011 ANIMAL
*B 002 SOUNDS
*B 022 T

*B 020 H
*B 018 S
*B 024 D

*A 015 MULTIPLICATION HELPER
*A 010 ADDITION HELPER
*A 024 SIZE TUTORIAL
*A 035 ROMAN NUMERALS
*A 018 ARITHMETIC WORD PROBLEMS

*A 011 TIME TEACHER

*B 005 SHPTBL.TT

*B 003 CHAIN

*A 012 PHYSICS START
*A 016 PRODUCTION OF LIGHT
*A 013 STATIC ELECTRICITY DEMO
*A 031 VECTOR RESOLUTION
*A 024 VECTOR ADDITION PART I
*A 023 VECTOR ADDITION PART II
*T 002 PHYSICS: MOMENTUM.X
*A 046 LINEAR MOMENTUM
*A 026 ANGULAR MOMENTUM
*A 022 PHYSICS: ACCELERATION PART I
*A 023 PHYSICS: ACCELERATION PART II
*A 008 OHM'S LAW

*A 010 CHEMISTRY START
*A 021 TABLE OF ELEMENTS
*A 020 CHEMISTRY DRILLS

*A 010 ASTRONOMY START
*A 013 ASTRONOMY: BIG DIPPER
*A 025 PLANET LOCATOR
*B 002 PLANET LOCATOR.X
*B 010 PLANET LOCATOR.Y

*B 002 SHAPE

5. MISC

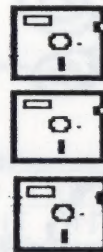
*A 016 HOW MANY DAYS OLD ARE YOU?

*A 025 PRINT YOUR BIORHYTHM
*A 024 DISPLAY YOUR BIORHYTHM

*A 016 CAPE 'CANAPPLE'

*A 021 WORD SEARCH CREATOR
*A 018 PIG LATIN

*A 021 STOP!



[CONTINUED ON PAGE 16.]

SECOND GENERATION OF MAC

From John Wesner

The high-performance, open-architecture, Macintosh II, designed for advanced applications features six internal printed circuit card slots for adding multiple functions -- including an optional color display, network connections and MS-DOS compatibility. The Macintosh SE (System Expansion), a powerful system with added internal storage capacity and an additional slot for added functions, is expected to become Apple's mainstream system for business and higher education applications. The Macintosh Plus and 512K Enhanced models are the entry-level systems in the Macintosh family. Most Macintosh software is upward compatible with the new Macintosh II and Macintosh SE systems.

The new computers are expected to strengthen Apple's current position in business and higher education markets and to help the firm expand into new markets.

Speaking at AppleWorld, a two-day series of seminars, expositions and application environments for Apple's constituency groups -- including customers, dealers, third-party vendors, press and analysts -- chairman and chief executive officer John Sculley said, "Apple's vision is intact. The values that carried us to success at the end of our first 10 years have made the second generation of personal computers possible. The Macintosh family is now a broad family of products -- high-end, mid-range, and entry-level computers -- that can suit nearly any application."

Apple also introduced a host of products, including storage devices, memory upgrade kits, keyboards, two display monitors, and a series of products that permit the integration and enhancement of MS-DOS files with Macintosh files. In a joint announcement with Dow Jones & Company, Inc. and MCI Communications Corporation, Apple also introduced new electronic mail software, Desktop Express, that lets users send graphic documents over telephone wires. The company also introduced A/UX, an implementation of AT&T's System V UNIX software, for operation with the Macintosh II with delivery later this summer.

As part of Apple's commitment to increase worldwide productivity, the company introduced 15 localized versions, in 10 languages, of the new Macintosh computers. Available in English, French, German, Spanish, Flemish, Norwegian, Japanese, Dutch, Swedish and Italian, the systems incorporate a universal power supply that operates with any voltage. International sales for Apple accounted for 26 percent of revenues in FY 1986.

Macintosh technology features ease of use, graphics and unique functionality. It maintains a very high level of software consistency and tight integration across all applications, resulting in low requirements for user support and training. The Macintosh personal computer family -- including the Macintosh 512K Enhanced, the Macintosh Plus, the Macintosh SE and the Macintosh II -- ranges in price from \$1699 to \$5498.

THE PC 5.25 DRIVE

From John Wesner

The Apple PC 5.25 Drive, in combination with the Macintosh II PC Drive Card or the Macintosh SE-Bus PC Drive Card, enable users to exchange data between their Apple and MS-DOS formatted 5.25-inch disks.

The Apple PC 5.25-inch Drive also allows users to exchange information with different types of MS-DOS machines that use the standard DB37 connector.

Together with the Macintosh II PC Drive Card or Macintosh SE-Bus PC Drive Card, a user can directly connect the Apple PC 5.25 Drive with a Macintosh II or Macintosh SE, respectively.

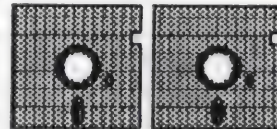
Both the Macintosh II and Macintosh SE-Bus PC Drive Cards are designed to work with the Macintosh II and Macintosh SE as controllers for the Apple PC 5.25 Drive. Internally mounted, these cards provide the interface that allows the Macintosh II and Macintosh SE to read and write files in the format familiar to MS-DOS programs.

Third-party developers will market co-processor cards that will work with the Apple PC 5.25 Drive and are designed to allow the Macintosh II or Macintosh SE to run PC application software.

The Apple PC 5.25 Drive, in combination with InterFile, a utility, and the Macintosh II PC Drive Card or the Macintosh SE-Bus PC Drive Card, enables users to exchange data between their Apple and MS-DOS formatted 5.25-inch disks.

InterFile provides the software link to the data in the 5.25 drive. InterFile transfers data to a different application's format. For example, with the proper translator, InterFile can translate a Multimate document to MacWrite document. Apple and other companies will provide InterFile's application-to-application translators.

The Apple PC 5.25 Drive Card, the Macintosh II PC Drive Card, and the Macintosh SE-Bus PC Drive Card will be available in late June or early July, 1987.



-NOVA

SCHEDULE OF UPCOMING EVENTS

REGULAR GENERAL MEMBERSHIP MEETINGS

1st Saturday -- Room 110 or 120, Bisdorf Bldg, Alex Campus NoVA CC - 10:00 AM
 3rd Wednesday -- Room No.1, FAIRLINGTON COMMUNITY CENTER
 3300 S. Stafford Street in Arlington - 7:30 PM

Saturday	June	6	10:00 AM	NVCC	Disk Architecture - Copy Protect
Wednesday	June	20	7:30 PM	FCC	Open meeting schedule

Saturday	July	4	10:00 AM	NVCC	No Meeting! - Holiday....
Wednesday	July	15	7:30 PM	FCC	Communications

Saturday	Aug	1	10:00 AM	NVCC	Word Processor's
Wednesday	Aug	19	7:30 PM	FCC	Interesting Applications of Apple

Saturday	Sept	5	10:00 AM	NVCC	Labor Day Weekend! - Call Club Phone (301-899-4005) and Check if meeting will be <u>held!</u>
Wednesday	Sept	16	7:30 PM	FCC	Assembly Language



Quick Connect

By Dave Harvey



The latest issue of Quick Connect has arrived and is now in our lending library. This May-June issue has some interesting articles that you might want to take a look at.

The first item is an announcement of AppleFest '87. This show will be devoted to Apple II series of computers and is the first show devoted to this series of computer in quite a few years. It will be held in San Francisco on September 18, 19 and 20 at the Civic Auditorium and will bring together Apple resellers, peripheral manufacturers, applications and game software developers, Apple-specific publishers, and other vendors of Apple II-related products and services. There will be hands-on-tutorials, on-going demos of the best in educational software, showing of the winners of the Merit Competition that was sponsored by Apple Computer Clubs International, and applications-oriented sessions.

Last year Novapple participated, along with other Apple user groups around the country, in the Apple IIgs rollout. As part of that event, we got to be a part of the raffling off of 5 Apple IIgs systems. This issue of Quick Connect goes into detail of who won the 5 systems and gives information about each user group. The user groups that won are: Caldwell Apple Users Group, Caldwell, Ohio; County Computer Group, Wooster, Ohio; Champaign-Urbana AUG, Rantoul, Ill; Davidson AUG, Davidson, NC; Apple SMUG, Salinas & Monterey, CA.

There is an announcement about the new set of system software for the Apple IIgs. There's a new font manager, new print manager, ability to compact files for faster loading, bug fixes and developer tool updates. You can get this thru your dealer or thru the System Software licensing program that user groups were offered a while back. At present, I suggest you contact your dealer for this update, since at this time Novapple isn't part of the Apple Licensing program. We might be in future, however. No decision has been made.

There's an article about the Apple Library Users Group. This article gives some of the history behind how this group was formed and what they do. The group was formed a few years ago to get together users who use Apple Computers in libraries or information management and membership in the group is free. If you work in that type of environment this sounds like a good group for you to join. In case you want to join or just get more information, their address is 10381 Bandle Drive, Cupertino, CA 95014 (408) 973-2552.

There's a list of Apple Macintosh Software that gives the latest revision status. All software produced by Apple Computer is listed.

Copies of the May-June Quick Connect are available for checkout in our lending library and as soon as it becomes available on Compuserve, the text will be uploaded to our BBS.

-NOVA

QUICK CONNECT

WELCOME THE NEW MACINTOSH COMPUTERS!

There Here--the long awaited additions to the Apple Macintosh® Family of personal computers: the Macintosh II and the Macintosh SE. These two machines offer the performance, flexibility, and above all the expandability to open up new horizons for Macintosh users. If you have dreamed of color, stereo sound, and lightening-fast speed on a Macintosh, your dream just came true.

Here are some of the highlights of these two new machines.

MACINTOSH II:

This machine is Apple's new powerhouse. With a larger screen, color capability, expandability, and four times the speed of the Macintosh Plus, the Macintosh II is ideal for high-end scientific, engineering and desktop publishing applications.

Open Architecture -

This is the long-awaited "open" Macintosh. Its open architecture, provides six expansion slots for adding a variety of cards to customize your system, such as the Macintosh II Video Card for color display and an internal SCSI hard disk (see the article on new products). The cards can be placed in any slot just plug in and go. Thanks to NuBus®, any card can take control of the system. That means you can work in different operating environments, such as MS-DOS or even UNIX (described elsewhere in this issue). The Macintosh II also has one built-in 800K floppy disk drive with the capability of adding another drive either internal or external.

Power and Performance -

The Macintosh II is built around the new Motorola 68020 micro-processor that enables you to open and close applications and files, access data, execute graphics, and perform calculations up to four times faster than on the Macintosh Plus. An additional co-processor speeds up mathematical calculations 40 to 200 times faster than the micro-processor could do by itself. Those of you who use calculation-intensive applications, such as spreadsheets or CAD programs that generate 3D graphics, will appreciate the speed difference immediately.

The machine comes standard with one megabyte of RAM, allowing you to run the most sophisticated and powerful software applications available today. But if one is not enough for you, memory can be expanded to two, four, five, or even eight megabytes.

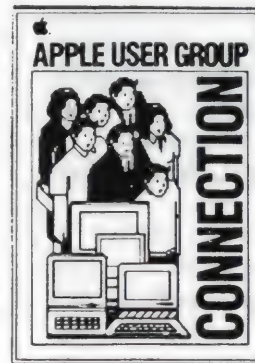
Color and Sound -

You may have noticed that the monitor of the Macintosh II is a separate unit. That means you can choose either the new

Apple High-Resolution Monochrome Monitor or the AppleColor® High Resolution RGB Monitor. The color monitor, along with the Macintosh II Video Card, provides a palette of more than 16 million colors, probably enough for most of us.

If you're musically inclined, you'll appreciate the four-voice stereo sound of the Macintosh II, which you can use to create very high-quality synthesized voices and music.

And, it's compatible with existing Macintosh sound and music software.



- Two Choices -

The Macintosh II will be available late this May in two configurations: with and without a 40 megabyte SCSI internal hard disk drive. Both systems come with a mouse, but the keyboard, monitor, and expansion cards are available separately. (See the article on new products for information on the two available keyboards.)

MACINTOSH SE:

This machine a one-slot open Macintosh, the Macintosh SE, is also long on expandability and high on performance.

Expandability -

On the outside, the Macintosh SE has seven built-in ports, including a SCSI port and a sound port, for adding your favorite peripherals. It also provides the option of a second 800K floppy internal drive, saving you space on top of your desk. On the inside, you'll find something new: the Macintosh SE-Bus Expansion Slot. This slot lets you install internal cards for expanding your system without modifying it. You can install networking and communication cards, MS-DOS co-processor cards, and even a 5.25-inch MS-DOS disk drive controller card (see the article on MS-DOS). Also inside is 256K of ROM and one megabyte of RAM, which can be expanded to up to four megabytes of memory.

Power and Performance -

The Macintosh SE is 15 to 20% faster than previous models in processing speed, so you can really zoom through spreadsheet recalculations and document processing. Enhanced SCSI performance is up to two times faster, allowing you to open and close applications, search large databases, and retrieve your documents in the blink of an eye.

- Two Choices -

The Macintosh SE comes two ways: with two internal 800K disk drives or with one internal 800K drive and one internal 20-megabyte SCSI hard disk. The keyboards, either of the two mentioned in this issue, are available separately.

NEW PRODUCT ADD-ONS!

The introduction of the new Macintosh II and Macintosh SE computers has launched an array of new add-on products. And many of these new products are compatible with other Apple machines. So if you've been thinking of upgrading your system, read on!

Two New Keyboards -

Macintosh II and Macintosh SE owners have a choice of two new keyboards. The Apple Keyboard, available now, is the standard keyboard for both machines. It's versatile, compact, and includes a numeric keypad, which is handy for entering numbers in spreadsheets. The Apple Extended Keyboard, available in April, is a breakthrough in Macintosh keyboard flexibility. It has just about all the keys you'd ever need for dedicated word processing, database management, terminal emulation, and all types of data entry. The variety of keys allows you to use applications that run alternate operating systems and programs. For example, if those programs require special function keys, 15 are available. A T-style cursor keypad and 6 cursor control keys are also included.

Memory Upgrades -

If you often work with large files, Apple's 1MB and 2MB Memory Expansion Kits can speed things up for you. The 1MB Memory Expansion Kit is designed to expand a Macintosh II from its standard one megabyte of RAM to two megabytes. The 2MB kit expands a Macintosh Plus or Macintosh SE from one megabyte to 2.5 or 4 megabytes, and a Macintosh II to 5 or 8 megabytes.

Hard Disks -

Adding a hard disk to your system is another way to speed things up and, at the same time, get the storage space you need to store all your applications and data files in one location. Five new hard disk drives have just been introduced: two external drives for Macintosh and Apple II computers, and three internal drives for the Macintosh II and Macintosh SE.

The external drives are the Apple Hard Disk 40SC with 40 megabytes of storage and the Apple Hard Disk 80SC with 80 megabytes both are ideal network storage devices that can be used with the AppleShare[®] File Server (described in last month's Quick Connect). Like the Apple Hard Disk 20SC, these drives use the SCSI interface port and have an access time of 30 milliseconds for super-fast transmission of data. And on the back of each drive is an additional SCSI port, so you can add additional drives, tape backup systems, or other SCSI peripherals up to three additional devices on an Apple II and six on a Macintosh. Perhaps best of all, both hard disks work on all of the following Apple computers: Apple II Plus, Apple IIe, Apple IIGs, Macintosh Plus, Macintosh SE, and the Macintosh II. The Apple Hard Disk 40SC will be available next month; the Apple Hard Disk 80SC in May.

The internal drives for the Macintosh II and Macintosh SE are the Macintosh Internal 20SC, 40SC, and 80SC Hard Disks, providing 20, 40, and 80 megabytes of storage, respectively. Available in May, all three disks connect to the SCSI interface and allow you to add up to six additional devices, including the new Apple Tape Backup 40SC device with save-and-restore capabilities. The Macintosh Internal 20SC Hard Disk is a good choice for the single user who needs faster access time and greater storage capacity than that provided by floppy disk drives. The Macintosh Internal 40SC and 80SC Hard Disks are the choices for people who want to use the Macintosh II as a network file server or as a scientific or engineering workstation.

Q.C.

TAKE A DRIVE TO MS-DOS!

Have you ever wished you could get data from an MS-DOS-formatted floppy disk into a Macintosh? The first and obvious problem is the size of your disk drive it's about two inches too small. The second problem is that MS-DOS is a foreign language as far as your Macintosh is concerned, so it could not read the contents of the disk anyway. Apple has just solved both problems. The MS-DOS world is now just a drive away an Apple PC 5.25 Drive, to be exact. Designed for the new Macintosh II and Macintosh SE, the Apple PC 5.25 Drive works in combination with the internal Macintosh II PC Drive Card and the internal Macintosh SE-Bus PC Drive Card, respectively, to read, write, and display MS-DOS-formatted data on your screen. The drive comes with a special software utility that allows you to switch between data formats from MS-DOS to Macintosh and back again, or the other way around. Now that MS-DOS and the Macintosh are on speaking terms, look for co-processor cards that will allow the new Macintosh computers to run PC application software, such as Lotus 1-2-3, dBase III, WordStar, and other popular MS-DOS programs. The world of MS-DOS has never been closer.

Q.C.

[BULLETIN BOARD ITEMS]

New Software for Macintosh, LaserWriter, and ImageWriter (New things are happening at Apple-like . . .)

% New Macintosh system software Finder 5.4 and System 4.0 for all 800K drive and 400K drive Macintosh computers with at least 512K of memory.

% New printer drivers for the LaserWriter and ImageWriter printers.

% New Macintosh utilities, as well as upgraded ones.

You can obtain the new software from your local Authorized Apple dealer or various on-line services.

Q.C.

THE STORY OF A PHOTO SHOOT ... WITH A TWIST.

It was the night before Christmas (or close to it), when Bill Campbell (Apple's executive vice president of U.S. sales) phoned Thom Marchionna with an unusual request. As a creative director for Apple's Creative Services division, Thom is accustomed to unusual requests. His job is to support the marketing effort in video, print, and other media, communicating concepts that convey the Apple message and image. And that includes everything from creating factual brochures, User Group pieces, and newsletters to designing awards, posters, and coffee mugs.



So Bill Campbell's request was just another challenge: design and produce an invitation to a holiday afternoon beer bust, do it quickly, and don't spend a lot of money there is no budget. The real problem here was time. Squeezing another project into an agenda that didn't have a free hour left would have given a less resourceful man a headache. But Thom had an idea with a twist: Let the Macintosh art-direct the most time-consuming task the photo shoot.

Here's what happened.

1. Thom conceptualized the invitation, wrote the text, sketched the art, and sent it to the top. It came back approved.

2. Thom phoned his friend in Santa Cruz, professional photographer and fellow Macintosh fanatic, Bruce Ashley, and made an unusual request of his own: Photograph a full glass of beer with a candy cane in it (huh?) using a video camera connected with a Macintosh to scan the props, then telecommunicate the digitized image as a MacPaint* file to the Apple office in Cupertino. Bruce, also a resourceful man, agreed, but only if he could consume the props when the project was done. Approved.

3. Thom next conferred with his colleague at Creative Services, Hugh Dubberly, the computer graphics manager, on the technical aspects of the telecommunication. Then he scheduled the photo shoot.

4. Back in Santa Cruz, Bruce arranged the props, connected a video camera to his Macintosh, and used MacVision* from Koala Technologies Corporation a software/hardware video digitizer package to scan the props and produce a digitized image on his computer screen. Then he called Thom's Macintosh in Cupertino using a Hayes modem and Smartcom II(, a communications program).



5. An excited knot of people gathered around Thom's computer. It was displaying a frothy glass of beer with the festive candy cane the same image Bruce was transmitting with his machine. The image was captured and printed as a MacPaint(file, and scrutinized by the eyes of an artist. Using MacPaint, Thom added a shadow beside the glass and drew more foam on the beer, dripping it down the side of the glass. Then he sent the edited picture back to Bruce's Macintosh.

6. Bruce adjusted his props as Thom had indicated, scanned the props again, and sent the digitized image back to Thom. The reply came back, "That's it. Shoot." Bruce captured the image on film this time, and the photo shoot which, all told, took less than half a day was over.

How did the beer bust turn out? No one is revealing, but the invitation was a real eye-stopper. And what happened to the props? A grinning Macintosh isn't telling.

Q.C.

GOING PLATINUM

In keeping with Apple's strategy for one-color product lines, both the Macintosh Plus and the ImageWriter II are now sporting Apple's new platinum product color, replacing beige. .ff

Q.C.

UNIX FOR THE MACINTOSH II

For those who use UNIX-based systems can soon have the best of two worlds. Apple has just announced the Apple A/UX Operating System as an alternative to the standard operating system on the Macintosh II. What this means is that users can harness the power of the Macintosh II (one world) to run applications designed for AT&T System V UNIX the operating system A/UX emulates (another world). UNIX-based applications include high-end engineering, design, and communications programs that, before the Macintosh II, were typically run on minicomputers or large mainframe computers. Now that A/UX and the Macintosh II are here, in addition to memory expansion to two or more megabytes of memory and 40 or more megabytes of disk storage, it functions as a powerful UNIX workstation.

And there's more. With the new Apple EtherTalk* Card installed in the Macintosh II, users can access high-speed Ethernet networks used in UNIX environments. This means that, once additional Ethernet network utilities are written, you can communicate with most engineering workstations, DEC minicomputers, and even some IBM mainframes. And of course, you'll still have the advantage of Macintosh technology and software. Together, the A/UX Operating System and the EtherTalk Card can connect you and your Macintosh II to the world of UNIX computing. Look for availability of A/UX in June, and the EtherTalk Card in May.

Q.C.

NEW APPLE II INSTANT PASCAL

This popular education language is now available in version 1.5 (replacing 1.0) and can be used with the Apple IIgs, Apple IIe, and Apple IIc. New enhancements include compatibility with non-Apple printers (such as Epson and Okidata), removal of copy protection (for easy backups and hard disk installation), and availability on double-sided 3.5-inch disks (as well as on the original 5.25-inch disks).

For a free Instant Pascal upgrade, see your Apple dealer or mail your original invoice or your version 1.0 startup disk before August 28, 1987 to: Instant Pascal Upgrade, 450 East Trimble Road, San Jose, CA 95131.

Q.C.

THIS MONTH IN APPLE'S HISTORY

1976 Steve Wozniak (26) and Steve Jobs (21) finish their work on a preassembled computer circuit board and call it the Apple I.

1981 Apple Expo '81 is launched the company's first national merchandising roadshow. And, The Apple Collection debuts a catalog of clothing and lifestyle items bearing the Apple logo.

1983 John Sculley joins Apple as President and CEO.

1985 Apple Computer and 28 third-party developers dominate an issue of the Wall Street Journal with ads promoting The Macintosh Office.

Apple IIe computers are enhanced, and the company's employee count hits an all-time high 5,700.

Q.C.

STAFF OF QUICK CONNECT (MARCH):

Director: Cathy Hoolihan

Coordination: Apple Creative Services

Editor: Janet Joers

Design and Production: Aplin & Uno

1987 Apple Computer, Inc. Apple, ImageWriter, MacPaint, Instant Pascal, and LaserWriter are registered trademarks of Apple Computer, Inc. Macintosh, Apple IIgs, A/UX, Apple Color, AppleShare and EtherTalk are trademarks of Apple Computer, Inc. Unix is a registered trademark of AT&T Information Systems. Lotus 1-2-3 is a registered trademark of Lotus Development Corporation. WordStar is a registered trademark of MicroPro International Corporation. MS-DOS is a registered trademark of Microsoft Corporation. IBM is a registered trademark of International Business Machines Corporation. NuBus is a trademark of Texas Instruments. MacVision is a trademark of Koala Technologies Corporation. Smartcom II is a registered trademark of Hayes Microcomputer Products, Inc.

Q.C.

[DISKS

FROM PAGE 10.]

*A 023 FILM EXPOSURE DEMO

*A 114 BASIC QUICK REFERENCE

*A 014 FREEWRIER START

*B 044 FREEWRIER

*A 009 PW.INSTRUCTIONS

*A 015 PRINTER

*B 042 INTBASIC

*B 006 LOADER.OBJO

*A 045 CHESS

*B 042 CHESS 2.X

*A 020 CHESS CLOCK

*A 023 CRYPTOLOGIC

*A 008 LEPRECHAUN START

*I 014 LEPRECHAUN

*A 008 SHOOTING STARS START

*I 020 SHOOTING STARS

*A 020 LEARN & PRACTICE MORSE CODE

*A 012 CREATE A SPIRALING BANNER

*A 020 POSTER PRINTER

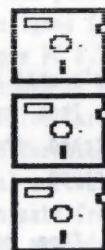
*A 024 MAZE INSTRUCTIONS

*I 024 MAZE MAKER

*B 034 PI.MAZE



Hi Guys! Thanks
for the exchanges
of Newsletters.



-NOVAC

ELECTION REPORT ELECTION REPORT

The NOVAPPLE Users Group will be holding its 'once a year' election of club officers. Elections will be held on the first Saturday meeting in October. If you are interested or have any questions, please call the club phone at 1-301-899-4005. Enjoy the Summer!

1-703-352-5842

THE NOVAPPLE BBS NUMBER:

1 - 703 - 352 - 5842

NOVAPPLE DISK LIBRARY

CATALOG/ORDER FORM

The NOVAPPLE DISK LIBRARY contains public domain software for the APPLE II computers. The disks in the catalog are available to members of NOVAPPLE for a copying charge of \$2.00 per disk with a blank exchange disk, or \$4.00 without an exchange disk. Disks may be ordered in advance of any meeting by notifying the disk librarian to insure availability of the desired title. Most disks are available at all meetings for immediate sale, subject to prior demand. Orders by mail should include this form and must contain a check for the total amount due.

DISK#	TITLE	DISK#	TITLE	DISK#	TITLE
() 1	UTILITIES #1	() 313	APPLE LOGO TOOLKIT	() 700	MASTER CATALOG & NOVAPPLE FILES
() 2	UTILITIES #2	() 314	APPLE LOGO TOOLKIT DOCS.	() 701	WASHINGTON APPLE PIE CATALOG
() 3	TUTRL/INSTR #1	() 315	APPLE LOGO SAMPLE PROGRAMS	() 702	OTHER GROUPS CATALOGS
() 4	GAMEPAC #1	() 316	IAC #31 GAMES & RECIPES	() 710	PRODOS MASTER CATALOG
() 5	GAMEPAC #2	() 317	DISK LIBRARY UTILITIES	() 711	PRODOS WAP
() 6	GAMEPAC #3	() 318	SUPER FILE CABINET	() 712	PRODOS OTHER GROUPS
() 7	IAC #4 MISCELLANEOUS	() 319	BEST OF APPLE DAYTON		
() 8	IAC #5 MISCELLANEOUS	() 320	CHEMISTRY NOTRE DAME UNIVERSITY		FORTH LIBRARY
() 9	CAT-GRAPHIX	() 321	CHEMISTRY PROJECT SERAPHIM	() 750	WAP FIG-FORTH (2-SIDES)
() 10	FORMAN'S STATISTICS	() 322	CHEMISTRY LAB DREYFUS INST.	() 751	ASSEMBLER
() 11	UTILITIES #3	() 323	CHEMICAL FORMULAS DREYFUS INST.	() 752	FORTH TUTORIAL
() 12	IAC #8 MISCELLANEOUS	() 324	ASTRONOMY A & B (2-SIDES)	() 753	FORTH EDITOR
() 13	GAMEPAC #4	() 325	ASTRONOMY B & C (2-SIDES)		
() 14	GAMEPAC #5	() 326	UTILITIES & ASST. PROGRAMS		PRODOS LIBRARY
() 15	EDUCATION #1	() 327	DISK UTILITIES	() 800	DISK ZAP UTILITY
() 16	EDUCATION #2	() 328	APPLESOFT GAMES	() 801	APPLEWORKS CONFIG. UTILITY
() 17	ARCADE GAMES	() 330	GAMES & UTILITIES	() 802	GAMEPAC #1 (SAME AS #41)
() 18	GRAPHICS UTILITIES	() 331	MULTIPLICATION DRILL	() 803	1985 TAX TEMPLATES
() 19	APPLESOFT TUTORIAL	() 332	DESK MASTER	() 804	SUPER FILE CABINET DOCS.
() 20	EDUCATION #4	() 333	GAMES & UTILITIES	() 805	DESK TOP UTILITIES
() 21	UTILITIES #4				
() 22	GAMEPAC #6 (APPLESOFT)		PASCAL LIBRARY		SPECIAL DISKS
() 23	MORE GRAPHIC UTILITIES	() 400	INPUT SCREENS	() 993	KERMIT-65 (COMMUNICATION)
() 24	GAMEPAC #7 (INTEGER)	() 401	ATTACH BIOS	() 994	DOUBLE TALK
() 25	BASEBALL STATISTICS	() 402	TEXT FORMATTERS	() 995	MEGA-TERM (COMMUNICATION)
() 39	UTILITIES #5 (IAC#13)	() 403	MISCELLANEOUS #1	() 996	DIVERSI-COPY (VERSION 1.3)*
() 40	HAYES MICROMODEM UTILITIES	() 404	DOS - PASCAL HYBRID	() 997	ONE-KEY DOS*
() 41	GAMEPAC #8 (APPLESOFT)	() 405	MISCELLANEOUS #2	() 998	TOOLBOX (2-SIDES)*
() 42	GAMEPAC #9 (INTEGER)	() 406	GUERILLA GUIDE (FROM WAP)	() 999	DIVERSI-DOS*
() 43	CHRISTMAS	() 407	MISCELLANEOUS #3 (FROM WAP)		
() 44	MONITOR ADJUST				
() 45	NEW USER'S DISK (2-SIDES)		CP/M LIBRARY		
() 300	GAMEPAC #10 (APPLESOFT)	() 500	UTILITIES #1		
() 301	GAMEPAC #11 (INTEGER)	() 501	UTILITIES #2		
() 302	WAP ABBS - PART 1	() 502	COMMUNICATIONS		
() 303	WAP ABBS - PART 2	() 503	ZCPR2 INSTALL & DOCS		
() 304	IAC #21 SPREADSHEET	() 504	ZCPR2 DOCUMENTATION		
() 305	SOFTGRAPH	() 505	ZCPR2 UTILITIES		
() 306	IAC MACHINE LANGUAGE DISK	() 506	CP/M - DOS HYBRID		
() 307	EDUCATION #5	() 507	COMMUNICATIONS		
() 308	PRE-SCHOOL GAMEROOM	() 508	BASIC PROGRAMS		
() 309	APPLE DUMP UTILITIES	() 509	UTILITIES SOURCE CODE		
() 310	GRAPHICS TOOLS	() 510	ORIGINAL ADVENTURE		
() 311	PINBALL CONSTRUCTION SET DEMOS				
() 312	APPLEWRITER II WPL & GLOSSARY				

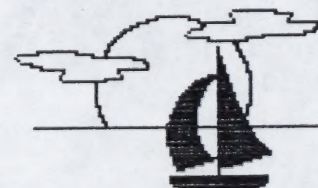
* NOT PUBLIC DOMAIN SOFTWARE

Mail Orders must be prepaid. Allow 4 to 7 days for delivery.

Date: _____ :
 Number of disks ____ x \$4.00 ----- \$ _____ :
 Mailing charge: \$.50 x (# of disks) --- \$ _____ :
 TOTAL ENCLOSED ----- \$ _____ :
 Mail to: _____ :
 Name: _____ Phone: _____ :
 Street: _____ :
 City: _____ State: _____ Zip: _____ :

Send orders to:

NOVAPPLE DISK LIBRARY
 c/o Alan Florkowski
 514 N. Florida St.
 Arlington, VA 22203

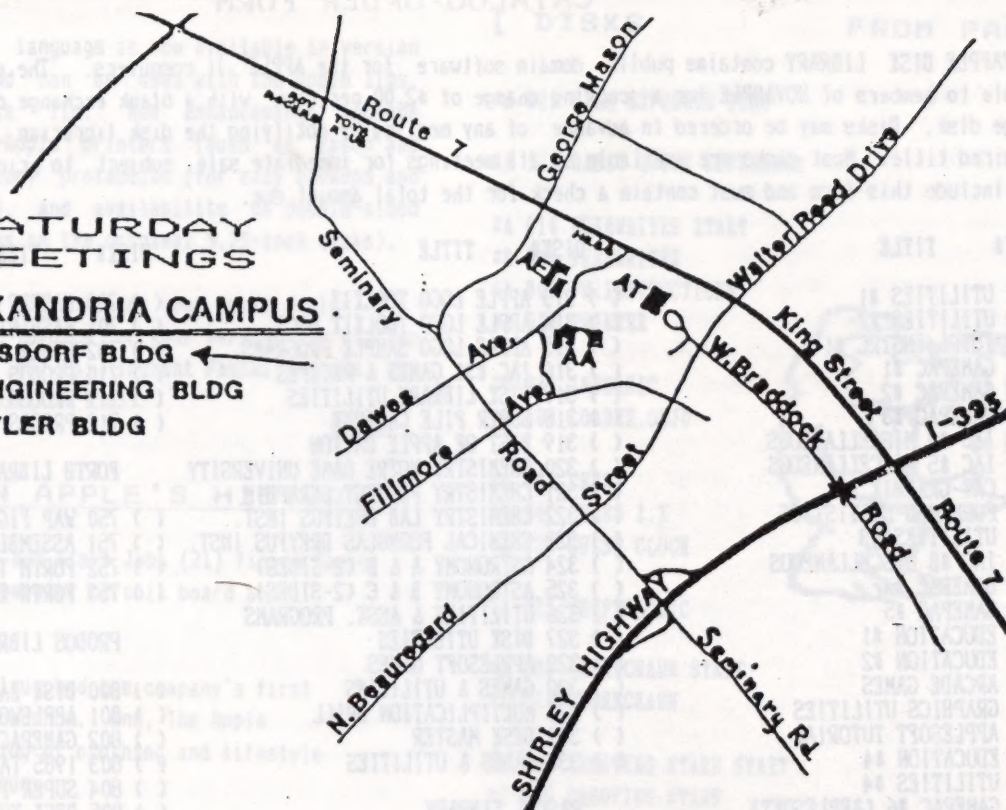


NORTHERN VIRGINIA COMMUNITY COL.

SATURDAY MEETINGS

ALEXANDRIA CAMPUS

AA-BISDORF BLDG
 AE-ENGINEERING BLDG
 AT-TYLER BLDG



NOVAPPLE
 P. O. BOX 8211
 FALLS CHURCH, VA.
 22041-8211

BULK RATE
 U. S. POSTAGE
 PAID
 ALEXANDRIA, VA
 PERMIT NO. 998

EXPIRY DATE: Oct 87

THE NOVAPPLE BBS NUMBER:

1-708-892-5842